

12" x 12" White, IR Material Window



Stock #32-809 **14 In Stock**

⊖ 1 ⊕ S\$123⁰⁰

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Volume Pricing	
Qty 1-5	S\$123.90 each
Qty 6-25	S\$112.00 each
Qty 26-99	S\$105.00 each
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Product Downloads

General

Protective Window **Type:**

Plastic **Type of Window:**

Physical & Mechanical Properties

12.00 x 12.00	Dimensions (inches):
304.80 x 304.80	Dimensions (mm):
0.015	Thickness (inches):
0.38	Thickness (mm):
304.80	Length (mm):
304.80	Width (mm):
0.40 - 1.24	Young's Modulus (GPa):

Optical Properties

Uncoated	Coating:
White	Color:
Polymer Film	Substrate: <input type="checkbox"/>
Visible (Sodium D Line): 1.52 8-14µm: 1.53 15µm+: 1.48	Index of Refraction (n_d):
8000 - 14000	Wavelength Range (nm):

Material Properties

11 - 13	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
(100-260) x 10 ³	Flexural Modulus (psi):
D60-70	Shore Hardness:

Environmental & Durability Factors

100 (Max)	Operating Temperature (°C):
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Regulatory Compliance

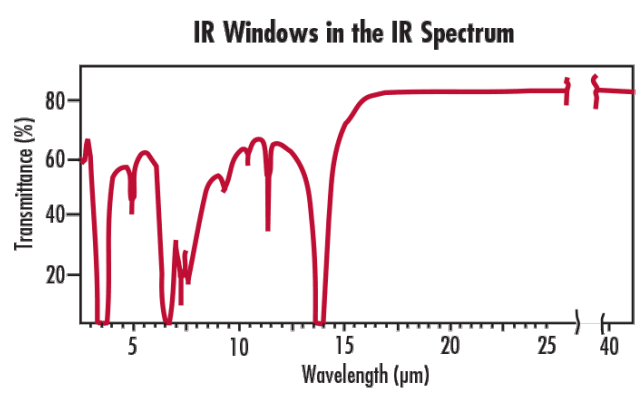
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 242:

Product Details

- Excellent Optics for Infrared Detectors
- Minimal Absorption Loss from 8 - 14µm
- Easily Cut to Size

Infrared (IR) Material Windows are molded in an extremely thin and flexible 0.38mm thickness, milky white plastic. The thin design consistent across the window surface, large apertures, and minimal thermal expansion coupled with low absorption from 8 - 14µm make them ideal for a range of infrared applications.

Technical Information



IR Windows in the Visible Spectrum



Effect of Sunlight	None to Slight
Effect of Ultraviolet	UV Stabilized
Effect of Weak Acids	Very Little
Effect of Strong Acids	Attacked by Oxidizing Acids
Effect of Weak Alkalies	Very Little
Effect of Strong Alkalies	Very Little
Effect of Organic Solvents	Little below 60°C (140°F)